

MATERIAL HANDLING EQUIPMENT

RHIC PROJECT

Proper maintenance and inspection of material handling equipment and operator training shall be provided to ensure safe load handling and operation of heavy equipment including cranes and forklifts.

I. MATERIAL HANDLING EQUIPMENT

- A. Line Supervisors shall identify material handling equipment including forklifts, heavy equipment, and cranes. They shall notify the Project ES&H Coordinator of the addition or removal from service of any major materials handling equipment. Attachment 1 provides a listing of the major equipment in the RHIC facilities.

II. MAINTENANCE PROGRAM

- A. Line Supervisors shall maintain all material handling equipment in accordance with the manufacturers' specifications and BNL ES&H Standard 1.6.0, Section VI, F, 4. A maintenance log shall be kept within the various Project facilities for review by the S&EP Division.
- B. Major equipment, such as building cranes and forklifts, are maintained by the Plant Engineering Division (PED). They also maintain the maintenance records.

III. INSPECTION PROGRAM

- A. Line Supervisors shall maintain an inspection program for all material handling equipment in accordance with BNL ES&H Standard 1.6.0, Section VI, F, 5. An inspection log shall be kept within the various Project facilities for review by the S&EP Division.
- B. Major equipment is also inspected by PED. They maintain records of the inspections.

IV. TRAINING PROGRAM

- A. The Training Coordinator shall obtain and maintain material handling equipment training records and schedules for future training from the S&EP Division.
- B. The Training Coordinator shall disseminate training schedules and information to RHIC personnel and shall schedule training upon request.
- C. Line Supervisors shall ensure that their employees
 - 1. are trained in the safe use of material handling equipment, including the operation of mobile or overhead cranes;
 - 2. obtain annual Occupational Medicine Clinic surveillance;
 - 3. maintain valid Safety Awareness Certification (SAC) cards.

APPROVED _____
Satoshi Ozaki
RHIC Project Head

10/8/97
DATE _____

RHIC PROJECT

POWERED MATERIAL HANDLING EQUIPMENT

Cranes/Hoists (1 Ton or Greater Rating)

<u>Bldg.</u>	<u>Description</u>	<u>Manufacturer</u>	<u>Serial No.</u>	<u>Rating (Tons)</u>	<u>BNL Number</u>
820	Crane, OH, Electric	Conco	5910	20	820-CRNE001
832	Crane, OH, Electric		VC94674	30	832-CRNE001
835	Crane, OH, Electric	Wright	73444	5	835-CRNE001
902	Hoist, Chain	Ford	10292	6	902-CRNE001
902	Hoist, Chain	Yale	1299700	2	902-CRNE002
902	Hoist, Chain	Budget	A54-7000	2	902-CRNE003
902	Hoist, OH, Electric	Budget	3005	2	902-CRNE004
902	Hoist, OH, Electric	Budget	3004	2	902-CRNE005
902	Crane, OH, Electric	Sheppard-Niles	65784	15	902-CRNE006
902	Crane, OH, Electric	Sheppard-Niles	65785	18	902-CRNE007
902	Crane, OH, Electric	Whiting	8192	30 & 5	902-CRNE008
902 Annex	Crane, OH, Electric	Gaffney	4320-CH	20	902-CRNE009
905	Crane, OH, Electric	Yale	L2442	10	905-CRNE001
905	Crane, OH, Electric	Morris-Wheeler	1103-159	2	905-CRNE002
905	Hoist, Gantry, Pneumatic	Abell-Howe, Yale-Eaton		1	None
924	Crane, OH, Electric	Sheppard-Niles	67058	17	924-CRNE001
935	Crane, OH, Electric	Sheppard-Niles	66454	15 & 2	935-CRNE001
960	Crane, OH, Electric	Robbins-Meyer	48676AFI	15	960-CRNE001
960	Crane, OH, Electric	Loadlifter	3213797	2	960-CRNE002
1002	Crane, OH, Electric	Landel	A2347	20	1002-CRNE001
1005H	Crane, OH, Electric	Detroit	38365	10	1005H-CRNE001
1005R	Crane, OH, Electric	Detroit	38364	10	1005S-CRNE001
1006	Crane, OH, Electric	Ace	1408	20	1006-CRNE001
1006	Crane, OH, Electric	Kone	264795	40	1006-CRNE002
1008	Crane, OH, Electric	Ace	1541	40 & 10	1008-CRNE001

ONLINE COPY RHIC OPERATIONS PROCEDURES MANUAL
Sun, Feb. 27, 2000 - VALID FOR FIVE (5) WORKING DAYS

Forklifts

<u>Bldg.</u>	<u>Description</u>	<u>Manufacturer</u>	<u>Serial No.</u>	<u>Rating (Tons)</u>	<u>BNL Number</u>
820	Forklift, Propane	Yale	N409861	5	FL-111771
820	Forklift, Electric	Hyster	C108V02586G	2	FL-112175
832	Forklift, Propane	Pettibone	CA60A0652	3	FL-23007
902	Forklift, Electric	Yale	P145282	2.5	FL-72243
902	Forklift, Propane	Pettibone	GA40-0302	2	FL-89457
902	Forklift	Hyster			FL-98755
902	Forklift, Gasoline	Hyster	D6D2357S	7.5	FL-99962
902	Forklift, Propane	Pettibone	GA60A-0515	3	FL-100098
919	Forklift, Propane	Yale	P157642	2	FL-72758
926	Forklift, Propane	Pettibone	GA60A-383	3	FL-89504
926	Forklift, Propane	Clark	Y235-2-5160	1	FL-105805
1006	Forklift, Propane	Drexel	R40SL-G-25008-4-4		FL-102414
1008	Forklift, Propane	Drexel	SL88903095-147	4	FL-101681

Mobile Lifts

<u>Bldg.</u>	<u>Description</u>	<u>Manufacturer</u>	<u>Serial No.</u>	<u>Rating (Tons)</u>	<u>BNL Number</u>
902	Electro-hydraulic	Clark	SP20-91-912	1	FT-71915
902	Electro-hydraulic	Ruger	NH-19872	1.25	
902	Electro-hydraulic	Hydroelectric	K6048	9	
902	Electro-hydraulic	Multiton	0303102378	2.25	
905	Electro-hydraulic	Big Joe	311220	1.5	FT-114658
924	Electro-hydraulic	Big Joe	311221	1	FL 114655
924	Electro-hydraulic	Big Joe	311222	1	FL 114656
926	Electro-hydraulic	Yale	S-148312	3	FL 72238
1006	Electro-hydraulic	Mayville			101631
1006	Electro-hydraulic	Snorkel			102426
1008	Electro-hydraulic	Genie			